VARIETY IN BIDS AT ROYAL AUCTION

Surprising Difference in the Results in a Game at

in bridge of mutual understanding. than the results obtained by partners who continually play together. They get a working knowledge of each other's ideas and a line on what each would do can rely absolutely on the bids.

eeason at the Knickerbocker Whist Club no trums. of New York. The men who made them played with one another, to the exclusion of others, on almost every one of the twenty-eight occasions that offered for competition. Here are the scores, which are interesting as giving that the scores, which are interesting as giving the scores, which are interesting as giving the scores, which are interesting as giving the scores.

At another table at which Z started with the club and A bid the hearts Y would not risk a no trumper but bid the diamonds and B supported the hearts Y when Z went to three clubs A passed, satisfied with having driven his opposition. The score is the score in the club and A bid the hearts Y would not risk a no trumper but bid the diamonds and B supported the hearts Y when Z went to three clubs A passed, satisfied with having driven his opposition. a line on the percentage in favor of that was all.

Names.	Ga	Tops	Plus.	۸۳
R. J. Leibenderfer	. 28		13,995	49
8. 8. Lens	. 34	9	10,617	44
George Kling	. 28	11	12,308	43
W. C. Whitehead	. 27	9	11,546	42
8. 8. Watson	. 25	5	6,910	27
3. Bissell	. 25	6	6,848	27
6. M. Scott	. 27		8,326	19

plained that these are plus scores over everages, not actual points won.

If the average score made at seven tables is 560 and one pair gets 985, they are 425 plus. That is, their play shows a gain of 425 more points than the general run of players in the club could who has gained 425 one evening is 75 one side goes game at no trumps, while below average the next session, his score his opponents hold a possible grand slam to date is only 350. If each player on would like to have it. This hand was a team of four can gain an average of No. 8 in the duplicate match on May 18 16% points a deal, the team will pick las up 65 points between them when opposed

sons who have different, and especially conflicting, ideas of the bidding, misunderstandings are bound to arise and to prove costly to the combination. Until one starts to figure it out, the author of complications that can arise after the first declaration by the dealer, assuming that to be made upon strictly conventional lines, is hardly credible.

The result of such a calculation will show that 900 different things may happen after the first bid has been made. and that all of these 900 are within the

the dealer; four suits, a no-trumper and a pass. The dealer having picked one of the six, the second hand may choose any one of the remaining five or may This gives us 6 times 6, or 3

Then the third hand can do any one of the five things the second hand does not do, or he can redouble. The redouble being rare, we still have 5 times 36 positions, or 180 different situations that may come up the fourth hand. He can pick any one of the five that the third hand did not do, so that there

of the dealer for the second round. This naturally suzgests to the average mind the practical impossibility of smy person's knowing the exact thing to do in each of 900 different situations with some millions of different combinations of cards possible. It also suggests that every player should have a correct idea of what his partner's reasons are for selecting the one of five or six bids that are open to him each time. If he can achieve that and make the correct response every time he is a wonder. Making due allowance for the times that he will be thrown out of his match in which at least one third of the hands were not played upon different anatch in which at least one third of the hands were not played upon different declaration by the two pairs who were considered to be the best in the room. The witter has never seen a duplicate match in which at least one third of the hands were not played upon different declaration by the two pairs who were considered to be the best in the room. The witter has never seen a duplicate that the two the players N and S at table 2 it is an each with the team curde. If a hand is particularly interesting. If a hand is particularly interesting and the players N and S at table 2 it is an each case, althoush it may be followed further down that he are cannot carded. If a hand is particularly interesting a tripling different at the two tables. The preceding bids upon which the final declaration is based have followed further down tables. The preceding bids upon which the final declaration is based have followed further down tables. The preceding bids upon which the final declaration is based have followed further down tables. The preceding bids upon which the final declaration is based have followed further down tables. The preceding bids upon which the final declaration is based have followed further down tables. The preceding bids upon which the final declaration is based have followed further down tables. The preceding bids upon which the final declaration is based have followed

tables. The preceding bids upon which the final declaration is based have followed different paths, there being 900 to select from. It is sometimes astonishing how greatly a trifling difference spite of his partner's refusal to assist him. At this table B stopped, avoiding him. At this table B stopped, avoiding him. Take this hand, which was played at pne of the closing sessions at the Knick-no trumper to help him, but he could no trumper to help him, but he could not make four. B should have left him to play it, as it is not worth anything unless Y can make five odd, under the could not make four.

present rules, adding 125 only for a game won.

A read this for a secondary bid on a long weak suit, and as he could stop the diamonds himself he figured that B

must have assisted on some high cards in the black suits, which was correct as far as it went, so A bid three hearts, Puplicate.

Duplicate.

Duplicate.

Duplicate.

OUESTION OF THE BONUS

Puplicate as it went, so A bid three hearts, which held the contract.

A was set for two tricks, as Y led the club. Z won the trick over dummy and led his singleton king. The ace of clubs and a small one followed. Y trumped, both A and B discarding diamonds. Y led the ace of diamonds, following with

a small one, and Z overtrumped dummy, but that ended the matter. At another table Z thought he was thing shows more clearly the value strong shows more clearly the value ridge of mutual understanding. on a sound system of bidding, on a sound system of bidding, said nothing about the diamonds, going its

straight to no trumps. As B knew what to lead, he passed.
Y won the first heart trick, and on ideas and a line on what each would do the two sure tricks took a chance on under given circumstances, which those who are continually playing with comparative strangers cannot obtain. They had to make five discards. As B had to make five discards. As B had echoed in spades it looked as if A must As an example, take the four or five leading scores made during the past suit, so that Y made a grand slam at

exhausted the trumps, made his king of diamonds and then led a spade, which A won with the jack, returning the king.

four players was 48,466 in the 749 hands they played. For the benefit of those who are not familiar with duplicate scoring methods it should be explained that these are played that the p won it and led the hearts. Y made his ace of diamonds and then tried to put Z in with a spade, killing his queen.

A made both king and jack of spades, and on dropping the ten of hearts from Z he put dummy in with a small heart to make the ace of spades and come back with a heart. These with the queen of diamonds gave A three by cards and the same.

ards and the game. If any one has another hand in which

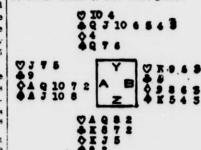
Several persons have written to ask how the tactics of leaving the opponents affected if THE BUN'S proposition were adopted giving the bonus to the player who fulfilled his contract instead of for

who fulfilled his contract. Instead or for reaching 30.

Some of these correspondents overlook the fact that if the premium goes to the player who fulfile his contract in a minor euit his opponents may also have a promising minor suit, and there will be an equal struggle for the contract in one or other of these suits, just as there now is between major suits and no trumps.

A player would no longer sit tight and let the other side play the hand in any-thing while he had a chance to play it himself without a loss. Many inter-esting situations arise when two minor first round of bids. This conclusion has been arrived at by the following process.

There are six different bids open to bonus unless it also went game:



the third hand did not do, so that there are five more variations open to him after the third hand has brought it up to one of 180. This gives us 900 possible combinations of bids before it gets to the dealer for the second round.

This naturally suggests to the average mind the practical impossibility of any person's knowing the exact thing to do in each of 900 different situations with some millions of different combinations.

At one table Z started with no trump and A said two diamonds. Under the present rules for duplicate, or in the ordinary rubber, a good player would not say anything about the diamonds but would sit tight and lead them if Y was careless enough to leave his particular to do in each of 900 different combinations.

The third hand did not do, so that there are five more variations open to him after the third hand has brought it up to one of 180. This gives us 900 possible combinations of bids before it gets to the dealer for the second round.

This naturally suggests to the average mind the practical impossibility of some present rules for duplicate, or in the ordinary rubber, a good player would not say anything about the diamonds diamonds.

This naturally suggests to the average mind the practical impossibility of some present rules for duplicate, or in the ordinary rubber, a good player would not say anything about the diamonds diamonds.

This naturally suggests to the average mind the practical impossibility of some probable probable and five of spades, no diamonds.

The third hand has brought it up to one of 180. The contract in th

him. At this table B stopped, avoiding the disaster of a four diamond bid. Y can make three clubs, as he has a no trumper to help him, but he could

At the American Whist League con-gress, by the way, they changed this from the way, they changed this from 125 to 100 for a game won, as it was thought 125 was too much if the penalties to be taken were limited to 300 for the winners. The point made was that it was not worth while to give up a game hand for 200, if it was impossible to get more than 300.

to get more than 300.

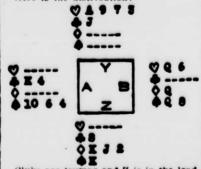
In the hand under discussion if any contract gets a premium B must bid against Y's three clubs, going to three diamonds, and he may even go to four diamonds if he is afraid of Y's making four clubs, taking the sting of 100, or even 200 to save the 136 Y would make with four clubs and four honors.

declaring minor suits that were not good for more than one trick. A bid a heart and Y two diamonds as a him **READERS TO SOLVE**

Tactics With High Cards Often Overlooked by Beginners at Bridge.

END GAMES AT CHECKERS

to illustrate a little piece of tactics which the beginner almost invariably overlooks when opportunities arise for its use. This is getting rid of winning would get the lead into the wrong hand



That is 784 deals, in which the four leaders, generally looked upon as the club team, gained an average of 452 in 107 games of twenty-eight deals each, or actually 749 hands played, out of the 784 opportunities to play.

This works out at an average of almost exactly 16½ points a deal, as the total number of points gained by these four players was 48,466 in the 749 hands they players was 48,466 in the 749 hands they played. For the hearst of the points a trick which might be actually a trick which a trick was further and they are trick with a good major suit. When Y and B passed will ruff the second heart and go back to the diamonds. Still holding the spade king for reentry.

If A trumps the first trick with the small club and letters are trick with a good major suit. When Y and B passed will ruff the second heart and go back to the diamonds. Still holding the spade king for reentry.

If A trumps the first trick with the four the players was 48,466 in the 749 hands they players was 48,466 in the 60 hands they players was 48,466 in the 60 hands they players was 48,466 in the 60 hands they player they player they are a trick with the small club and letters during the first trick with the four players was 48,466 in the 749 hands they player they played to be a player they played they played to be a player they are they allowed they allowed to be a heart to lead diamonds

not too difficult to be solved without ex-

Clubs are trumps and Z is in the lead.

of the fact that A and B have six trumps

Up to the starred move, 26—30, white's plan has been to reduce the forces to equal numbers, but the exchanges cannot be so managed as to leave white

Here is another one from Waukegan

Ill., a town that has sent THE SUN some good problems in the past. This one has the usual pleasing Waukegan surprise

at the end, provided the solver can find the path that leads up to it:

PROBLEM NO. 386. CHECKERS. Black.

White to play and win.



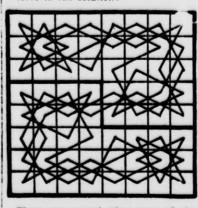
down or the diagonals from corner to corner must all add the same, 1916, and all the odd numbers must be in one haif, while all the even numbers are in the

THE ENIGHT'S TOUR.

The second part of this problem, suggested by Ernest Bergholt as an improvement on Euler's solution of the dimensional was much more difficult vided board, was much more difficult than the first owing to the fact that the alcoves into which the knight had to penetrate required parallel reentry

The proposition was to divide the chess board into two equal parts by a line starting three squares from the top, going only half way across the board, and then disping down to within three squares of the other side and continuing across, as shown by the heavy line in the following disprain. lowing diagram.

any square in the other section, but to make the tour reentrant, so that the knight could continue his course and make an exact duplicate of the first tour



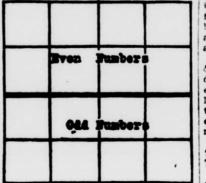
suggested by the composer as a satis-factory solution.

Source of supply.

Heretofore the inland manufacturer

Apropos of the magic square for the year 1916 printed in this department on

a magic four square composed of numbers in arithmetical progression under the restriction that the even numbers should be in one half and the odd numbers assume an attitude of self-sufficiency



The distribution of the pieces is: Black men on 2, 5, 16 and 22; kings on UP THE COUNTRY TO THE NEED 14 and 24. White men on 8, 10, 11, 15, WAKING UP THE COUNTRY TO THE NEED 17 and 23; no kings, OF A MERCHANT MARINE OF OUR OWN

President of the National Marine

League. CENTURY and a quarter ago the great Jefferson, then Secretary of State, speaking of ships and shipbuilding, said:

"Its value as a branch of industry is enhanced by the dependence of so many other branches upon it. In times of general peace it multiplies competitors for employment in trans-portation and so keeps that at its The puzzle was to make a complete portation and so keeps that at its cour of the knight, covering every square proper level, and in times of war, that in one of these sections before touching is to say, when those nations who may is to say, when those nations who may be our principal carriers shall be at war with each other, if we have not within ourselves the means of transportation, our produce must be exported in belligerent vessels at the insurance and the articles which will not bear that must perish on our hands."

To-day this prophecy is fulfilled. Our principal carriers" are "at war ports there exists the greatest tieup of foreign freight ever known owing to the fact that "we have not within ourselves the means of (ocean) transportation"; in other words, we are not maritimely independent. I have recently seen a picture of a

tined for Russia. There are no ships the railroad yards and freight sheds are congested and this railroad material is dumped into a Jersey meadow while the track is cleared for more trains to return for more freight to be similarly dumped-with the alternative ting the tour that will comply with all similarly dumped—with the alternative the terms of the problem, but this is one of a railroad embargo, which means one backwater of freight at the very

congestion at the shipping ports as an unfortunate local condition, a matter wholly apart from their own affairs, May 28 Charles D. Shuldham suggests but when freight destined for foreign that the puzzle might be made a trifle shores is dumped into open meadows more difficult by limiting the numbers to or transportation to the seabourd is the absence of ships to provide for the even flow of commerce becomes to

small trump, which Y will be obliged to win, and then Y must lose a heart trick to B's guarded queen.

Y having got rid of the jack of trumps, A must lead up to Z, and whether he leads a trump or a spade Z wins and makes all the rest of the tricks with his established diamonds and the king of spades. If A does not lead the trump Z will.

Here is another instructive position.

should be in one half and the odd numbers in which only one was dropped out of a series in arithmetical progression.

This gives us a new and interesting puzzle for the year 1916. Fill in the sixteen squares with a series of numbers in arithmetical progression, dropping only one, so that the constant shall be the number of the year, 1916. maritime laws because the man in the interior of the country has sidestepped his responsibility, chiefly because he has not realized his direct, though not always apparent, interest in shipping

When the scarcity of ships is evidenced by unmoved freight at factory doors, or by grain still choking the elevators, or by the use of meadow lands for improvised storage spaces. the lesson to the inlander of his inescapable interest in maritime business is salutary even if unpleasant. In an address before the Whitehall Club at a luncheon given in his honor

"It has been said by you, Mr. Chairmen, that Congress is no wiser than the people. Well, I think I can in a way agree with that. thing-that Congress will follow the people. There is a despotism of popu-



Awaiting transportation somewhere in New Jersey.

istive and even executive officers have leasily figure the amount of business lanchored off Quarantine in the b to follow. What is needed is to educate we do each day by merely inspecting channel. the people on this subject. There is the contents of two barrels outside the better means of education than a kitchen door, for the relation is statis-

The Congress, as above stated, "is no observation. wiser than the people." In other words, Congress responds to the will and the agriculturist have looked upon structive maritime legislation the will for a thing and determination to get come only from the light of knowl- rels vary. edge.

> to the boss manufacturer, to the boss agriculturist, to the boss miner, to the not reach the individual worker, who, in the last analysis, is the man who controls the making of our laws. Elihu Root never uttered a greater truth Union League Club in Philadelphia iast March that although big business had elected McKinley in 1896 and 1900, "the sceptre had passed from big business" and was now in the hands of the everage citizen.

> It is the average citizen, therefore who must be reached, more especially the average inland citizen, who, by the nature of things, does not realize that he holds within his grasp the maritime and consequently the commercial destiny of the nation.

> The National Marine League of the United States of America has undertaken this great task of educating the public. On request it will supply ineresting and valuable material general distribution; but the league's task can only be perfected when nation and league are one.

BREAKAGES.

ENERAL average governs breakages and other accidents in restaurants," said the superintendent of a lunch room.

tically exact and is based upon careful land; on the foremast the brigh

of the people. If we are to have con- the day. At the present time the banners flown by the prismatic D volume of our business does not vary man. to have it must be created. But desire from day to day. Neither does the quantity of broken dishes in the bar- sides painted fore and aft with We know by long experience that a Unmoved freight carries its lesson given number of waitresses

stumble and drop so many dishes each Therefore we can judge to a nicety just how often the man with the mop will be called upon to clear up the wreckage of scattered plates and shattered cups of coffee. We make provision accordingly.

casting the running expenses of the business. This in turn influences the to preserve the margin of profit on our investment we make the lunch going public pay for it all. So there is no reason why the public should not laugh, as the public always does, when waitress stumbles in a crowded restaurant and spills a tray of dishes. It is the public that ways for the damage. Payment has been figured in pay are entitled to at least a hearty laugh for their money."

THE MERRY MERAUKE.

rival of the gay Merauke was a bright with blue and white cross. About the spot in an otherwise drear array. The Same proportion was noted below the gay Merauke, a big Dutch cargo ships and barks anchored off Statsteamer from Rotterdam, presented a Island a big majority hailed from N "Any expert restaurant man could veritable rainbow of colors when she way.

low quarantine flag and at the "Those two barrels are filled with truck a big house flag with red the fragments of dishes broken during white figures on it. So much

brilliant red, white and blue of

For the rest there were horizontal Holland stripes, excepamidships, where her name and ing port were painted in big of letters. As a concluding note th hull, above the waterline, showed a Also she seemed all fresh paint at varnish, with white awnings on forward and after decks, voted as spick and span a ship as ev entered the port, cargo or otherwi-

THE VIKING INVASION

OR the first time, probably in the history of the port there are land. All up and down the bay from the Statue of Liberty to Bay Ridge advance too. And while they may not may be seen ships, large and sma know that they are paying those who with the Norwegian flag and the name Norge painted on their sides.

On what is known as the souther

anchorage, which runs from the lowend of Red Hook flats almost to Po-N these days of dull, gray painted Hamilton, there were thirty-two liners and cargo boats entering steamers anchored recently and of and leaving the harbor the ar- these nineteen were flying the red fine

THE NEWS' WAKE EPRESENTATIVE John Q. Til- | in general that they keep the cleanest

his post to go with the Na- two pence, dress Clubs are trumps and Z is in the lead.

I and Z want all five tricks, in spite of the fact that A and B have six trumps of the fact that A and B have six trumps of the fact that A and B have six trumps of the fact that A and B have six trumps of the fact that A and B have six trumps of the fact that A and B have six trumps of the fact that A and B have six trumps of the Union army. He was killed at the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the battle of Ball's Bluff October 21 of the English and German bleeders of the Ball's Bluff October 21 of the English and German bleeders of the Ball's Bluff October 21 of the Ball's Bluff Octo the same year. Nathaniel P. Banks 1916. Y has the king ten of trumps, jack of left the Governorship of Massachu-diamonds, six and four of spades, no setts to fight for his country in the

A has the jack nine six of clubs, ten of diamonds and three of spades, no a distinguished record in the Confeduality and prices of their goods.

service.

them, and olives are now appearing in tin cans instead of glass vessels. Complaint is made of a shortage of glass due to the lack of certain chemicals of which before the war Germany was the source of supply.

ginia." He speaks of the founding of Missouri, fair a few years ago: a factory at Jamestown in 1615 and of a second one seven years later. The work was coarse and was confined chiefly to bottles. In 1779 factories were established in Temple, N. H., and in 1795 the presnt great industries in Pittsburg were founded. By 1813 the Smoky City had five glass making plants, of a total valuation of \$160,000

A great convention of advertising men such as that just held in Philadelphia would have been impossible in any country three centuries ago. Advertising has now become a custom so extensive in its application and of such vital importance that it is difficult to realize that it was ever possible to do any trading without it. Yet before the advent of the printing press and the newspaper there were many hundreds of years when there was no such a thing as advertising as it is known to-day.

One of the first newspaper adver-tisements of which there is authentic the Rover, the Mosquito, the Niobe and record was printed in the Mercurius the Renown. The last two named are Politicus, London, in January, 1652. still in use, the Niobe as a training it was a publisher's announcement ship for cadets and the Renown as a and read as follows:

London advertising: men beg to acquaint the public elements of seamanship.

son of Connecticut, the first barber shop in all London, where the of Congress to resign people can have their hair cut for tional Guard to Mexico, has distin- be shaved for one penny. One of these guished precedents for his patriotic ac-tion. Edward Dickenson Baker re- well. He bleeds both in the English

In ancient times merchants in Rome civil war and rose to a major-scheral- and Athens employed criers to go erate army in the civil war, was in Written notices serving as advertise-Congress when the Spanish-American ments to call attention to an auction war started, but promptly went to the sale or a meeting were displayed on front. But there is believed to be no walls only occasionally. In the old record, previous to this year, of an days of London shopkeepers' clerks ex-President forming a regiment for stood in front of their stores and called out their wares to passersby, prefacing their announcements with Have you failed to receive recently you lack? What do you lack?" Some the small bottles of cream which the of the clothing dealers in the Bowery diarymen formerly delivered? Several and Eighth avenue, New York, follow much the same system now.

Church advertising is of comparatively recent development. New York pastors now recognize that the use of printer's ink is effective in drawing crowds to the houses of worship, but no minister words his amnouncements The first mention of the manuin the style of his advertisements facture of glass in the United States is which appeared in the official in Capt. John Smith's "History of Vircatalogue of the Lafayette county."

"After the Races Don't Forget That The Christian Church

Higgingsville, Mo.,
Has a Wide awake Sunday School
To which the whole country is
Invited. Chases for Invited. Classes for everybody.

The Preaching Services Are Not So Bad:

H. W. Hunter, Minister. L. McCord, Supt.

Now that Los Angeles has extended its area to 337.92 square miles only London of all the cities of the world exceeds it in territory covered. Among American cities New York, with 314.75 square miles, is second in geographical extent. while Chicago, 198; Orleans, 196, and Philadelphia, 129.60, follow in the order named.

It is odd to recall that the first Ger-

man fleet was bought for the most part second hand from the British navy. Among the earliest vessels obtained were the fifty-six gun frigate Thetis. gunnery ship at Wilhelmshaven-"'Irenodia Gratulatoria an Heroick Until comparatively recent years it Poem, being a congratulatory pane- was customary for Prussian officergyrick for my Lord General's late re- to receive their training in the British urn, summing up his successes in navy. Even the Kaiser gained his an exquisite manner. To be sold by first experence in seamanship on a John Holden, in the New Exchange, London. Printed by Tho. Newcourt. This was the miniature frigate Royal Here is another example of early King of Prussia. For a long time it was used to teach the royal family the

mas Germany Found a Way Out?

Hemmed in by the Allies' dreadnoughts, she has still the submarine. An expert tells of the possibilities of such a craft for transatlantic voyages and pictures the undersea cargo boat of the future.

INNEXT SUNDAY'S SUN

Russia Our Market of the Future

ALEXANDER A. JURIEWITCH, Chamberlain to the Emperor, bears a message from him to the United States telling of golden opportunities for our merchants after the war.

America and England as World Policemen

PHILIP KERR, leader of the British Empire Concord of Thought movement, says English speaking peoples must work together if the onward march of peace and progress is to be assured.

Our War With Mexico, a Pictorial History

Remarkable and very rare collection of paintings of famous battles of the Mexican war of 1846-48, reproduced in photogravure. Stirring scenes from Buena Vista to the entry into Mexico city.

IN THE SUN NEXT SUNDAY

Tell Your Newsdealer To-day

